

**AMENDMENTS TO THE DRAWINGS**

Please replace Figure 22 with the replacement sheet for Figure 22 submitted herewith.

## REMARKS

### 1. Preliminary Remarks

#### a. Status of the Claims

Claims 18-29 are pending and allowed in this application.

#### b. Amendments to the Specification

The specification is amended to assign sequence identifiers to the listed sequences, and to incorporate by reference the substitute sequence listing submitted herewith.

#### c. Objections to the Drawings

At pages 2-3 of the Office Action, the Examiner objects to Figures 22-24 for allegedly containing nucleotide sequences without corresponding sequence identifiers. Submitted herewith is a replacement drawing for Figure 22 that assigns sequence identifiers to each of the listed sequences, specifically, SEQ ID NOs: 2254511-2254561. Additionally, the brief description of Figure 23B is amended in the specification at paragraph 0290 to assign sequence identifier to the sequences shown in this figure, specifically, SEQ ID NOs: 225463-2254573. Further, the brief description of Figure 24A is amended in the specification at paragraph 0292 to assign sequence identifiers to the sequences shown in this figure, specifically, SEQ ID NOs: 2254562 and 2254589-2254592. Accordingly, each sequence shown in Figures 22-24 has a corresponding sequence identifier in compliance with 37 C.F.R. §§ 1.821-1.825. In view of the foregoing, Applicant respectfully requests that the Examiner reconsider and withdraw the objection to the drawings.

#### d. Objections to the Specification

At page 3 of the Office Action, the Examiner objects to the specification for allegedly containing nucleotide sequences at pages 241-244 and 256 that do not have corresponding sequence identifiers. These paragraphs are amended to assign a sequence identifier to each listed sequence, specifically, SEQ ID NOs: 2254574-2254588. Accordingly, each sequence listed on pages 241-244 and 256 has a corresponding sequence identifier in compliance with 37 C.F.R. §§ 1.821-1.825. In view of the foregoing, Applicant respectfully requests that the Examiner reconsider and withdraw the objection to the specification.

### 2. Conclusion

Applicant respectfully submits that the instant application is in good and proper order for allowance and early notification to this effect is solicited. If, in the opinion of the Examiner, a

telephone conference would expedite the prosecution of the instant application, the Examiner is encouraged to call the undersigned at the number listed below.

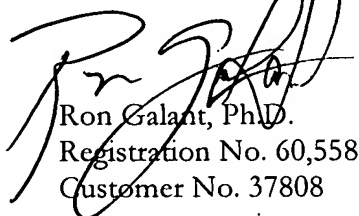
Respectfully submitted,

POLSINELLI SHUGHART PC

Dated: 7/17/2009

On behalf of: Teddy C. Scott, Jr., Ph.D.  
Registration No. 53,573

By:

  
Ron Galant, Ph.D.  
Registration No. 60,558  
Customer No. 37808

POLSINELLI SHUGHART PC  
180 N. Stetson Ave., Suite 4525  
Chicago, IL 60601  
312.819.1900 (main)  
312.873.2913 (E-fax)  
312.873.3613 (direct)